

Date: Mon, 4 Apr 94 22:35:53 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #376  
To: Info-Hams

Info-Hams Digest                      Mon, 4 Apr 94                      Volume 94 : Issue 376

Today's Topics:

(none)  
[News] NOAA/NWS To Expand Weather Radio Coverage  
Amateur Forwarding Rules Ammended  
C91J QSL Info  
Correct Address for OK1IA (OM1IA?)  
Dayton Hamvention and Linux Journal  
Ham radios on planes - Definitive answer  
How phasing SSB Exciters Work (Was: RF and AF speech pr  
Hustler RM-40S Resonator  
IPS Daily Report - 03 April 94  
Operation of Ham radios on planes  
QSL info for HS0ZAD  
STOP SENDING HAMS ON USENET CRAP !!!  
STS-59 SAREX Mission Delay  
Supermorse under windows?  
was: 73, now 73 and 88 on broadcast radio  
Weather obs by packet

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: 4 Apr 94 21:06:03 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

sub Jerry Vuoso (WB2SPE)

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Date: Mon, 4 Apr 1994 20:13:04 GMT  
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa  
Subject: [News] NOAA/NWS To Expand Weather Radio Coverage  
To: info-hams@ucsd.edu

-----  
Date: 5 Apr 1994 01:58:30 GMT  
From: nothing.ucsd.edu!brian@network.ucsd.edu  
Subject: Amateur Forwarding Rules Ammended  
To: info-hams@ucsd.edu

In article <\$arlz05.1994@ampr.org> marcbg@netcom.com (Marc B. Grant) writes:  
> Therefore, the Commission will hold accountable only the  
> licensees of the station originating a messsage and the licensee  
> of the first station forwarding a message in a high speed message  
> forwarding system.

So, folks, now that the Commission has recognized "high speed message forwarding systems", how long do you think it will be before we HAVE any such?

- Brian

-----  
Date: Mon, 4 Apr 1994 21:36:17 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!news.umbc.edu!cs.umd.edu!venus!m970984@network.ucsd.edu  
Subject: C91J QSL Info  
To: info-hams@ucsd.edu

Does anyone know who the QSL manager for C91J is? Thanks

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Date: 4 Apr 1994 16:14:45 -0400  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!udel!news.sprintlink.net!redstone.interpath.net!mercury.interpath.net!not-for-mail@network.ucsd.edu  
Subject: Correct Address for OK1IA (OM1IA?)  
To: info-hams@ucsd.edu

I am trying to locate the correct address and / or phone number  
for OK1IA (now OM1IA ? ) , Pavel Horvath. His Callbook address  
- P.O. Box 44, Bratislava, Slovakia no longer correct.

He is the QSL manager for 3W8VL. I recently sent a registered  
letter to the Callbook address listed above. The letter was  
returned 6 weeks later from Slovakia stamped "Jedotlivo kartovane"  
and "Retour". I am guessing "retour" means return and "jednotlivo  
kartovane" might mean 'no longer at this box' . Is this correct ?

If you have a QSL from either OK1IA, OM1IA or 3W8VL or other  
information on how to contact Pavel Horvath or others regarding  
a 3W8VL QSL card, please contact me.

Many thanks,

Mike Wood                      Internet: mikewood@mercury.interpath.net  
The Signal Group              Amateur Radio: NT4O  
P.O. Box 1979              \*\*\*Avoid company disclaimers by owning the company \*\*\*  
Wake Forest, NC 27588

Phone: 919-556-8477              Fax: 919-556-0115

-----  
Date: 3 Apr 94 18:12:29 GMT  
From: agate!howland.reston.ans.net!gatech!swrinde!sgiblab!cs.uoregon.edu!  
reuter.cse.ogi.edu!netnews.nwnet.net!bach.seattleu.edu!quick!ole!ssc!fylz!  
phil@ucbvax.berkeley.edu  
Subject: Dayton Hamvention and Linux Journal  
To: info-hams@ucsd.edu

There are so many hams involved in Linux development and use that it  
makes sense that we should be exhibiting/selling Linux Journal at the  
Dayton Hamvention. But, we didn't have a Linux Journal when it was  
deadline time for Dayton.

Anyone out there have a table and an interest in being our  
representative? Probably a good chance to promote Linux plus  
make some money.

--  
Phil Hughes, Editor, Linux Journal, P.O. Box 85867, Seattle, WA 98145-1867 USA  
E-mail: phil@fylz.com      Phone: +1 206 524 8338 FAX: +1 206 526 0803

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Date: Mon, 4 Apr 1994 20:49:23 GMT

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!csus.edu!netcom.com!  
n1gak@network.ucsd.edu  
Subject: Ham radios on planes - Definitive answer  
To: info-hams@ucsd.edu

On Sun, 3 Apr 1994 08:17:17 GMT, Uncle Dave (dev@armory.com) writes:  
> i know this subject comes up every so often, and if it's in teh  
> faq, then i didn't look carefully enough, but what's the deal on  
> operation of ham radios on a plane?

Okay -- here's The Deal (tm): According to the FCC, you can operate your  
amateur radio anywhere you want (including on an airplane), but they point  
you to the appropriate FAA rules. (Vague paraphrase of Part 97)

The FAA has more serious words on the subject (and I quote)

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FAR Part 91.21 Portable Electronic Devices

- (a) Except as provided in paragraph (b) of this section, no person may operate, nor may any operator or pilot in command of an aircraft allow the operation of, any portable electronic device on any of the following US-registered civil aircraft:
  - (1) Aircraft operated by a holder of an air carrier operating certificate or an operating certificate; or
  - (2) Any other aircraft while it is operated under IFR.
- (b) Paragraph (a) of this section does not apply to --
  - (1) Portable voice recorders;
  - (2) Hearing aids;
  - (3) Heart pacemakers;
  - (4) Electric shavers; or
  - (5) Any other portable electronic device that the operator of the aircraft has determined will not cause interference with the navigation or communication system of the aircraft on which it is to be used.
- (c) In the case of an aircraft operated by a holder of an air carrier operating certificate, the determination required by paragraph (b)(5) of this section shall be made by that operator of the aircraft on which the particular device is to be used.

In the case of other aircraft, the determination may be made by the pilot in command or other operator of the aircraft.

-----  
End quote -- begin interpretation & explanation

#### Applications

- 1) If your buddy takes you flying in his PA-28R, you can get his permission, as Pilot In Command to operate your kilowatt 2m station, if he determines that doing so will not interfere with his communication & navigation equipment.
- 2) If you're flying to Florida on AirWorst Airlines, you may NOT operate any transmitter or receiver ever. The pilot does >NOT< have the authority to allow such operation. (See FAR 91.21 (c) -- The important definition is "operator" which is NOT PIC)
- 3) Some day, perhaps, HamFriendly Airline will acquire an operator's certificate, and offer a while-you-wait TSO program <g>, in which case the Operator (license holder) CAN authorize the operation of your portable electronic devices. But don't hold your breath.

#### Two other things:

Believe this. I once took some various RF gear aloft with a friend, and we evaluated the effect of operating the gear on VOR reception: A cheapie R/S 'Listen to the airplanes' receiver, when tune 10.7 Mhz below San Jose VOR, succeeded in dropping a red flag, indicating loss of signal, from about seven miles out. The IC-24 dual-band HT had no effect during receive all across the 2m and 70cm Ham bands. During 2m transmit, it caused considerable needle wobble on the VOR. Operating the R/S Airband receiver while close to the airport (on final) caused about 40 degrees of error on the VOR signal. All of these tests were conducted while operating VFR, of course.

Under no circumstances should you operate a cellular mobile telephone while aloft. The frequency reuse only works (and I use the vaguest sense of the word "work") when your car stays on the ground. Going up to 5,000 feet would cause your signal to swamp every cell-site in a major metropolitan area, and is expressly forbidden in the appropriate FCC regulations.

However, I don't believe there is any such prohibition against Sensible Mobile Telephone Service (IMTS). I don't have the appropriate parts, so I don't ACTUALLY know, but I -- errrr -- an

anonymous friend has gotten great signals out of the San Jose terminal as far south as San Luis Obispo.

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Date: Tue, 5 Apr 1994 02:36:48 GMT  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!srngenprp!alanb@network.ucsd.edu  
Subject: How phasing SSB Exciters Work (Was: RF and AF speech pr  
To: info-hams@ucsd.edu

David Hough (dave@llondel.demon.co.uk) wrote:  
: Why not use a Weaver (Third Method) exciter? It is easy to generate a couple  
: of 1800Hz carriers which are 90 degrees out of phase, and fairly easy to  
: generate a couple of 10.7MHz carriers which are 90 degrees out of phase, and  
: the rest is reasonably straightforward without any expensive bits. SBL1 mixers  
: are cheap, so the fact that you need four shouldn't be prohibitive.

For some reason, the "third method" of SSB generation invented by Weaver has never caught on. Perhaps part of the reason is the fact that the suppressed carrier comes out right in the middle of the audio passband. Even with 40 dB of carrier suppression (typical with diode balanced mixers), people might find it objectionable because of the AGC action of typical SSB receivers. (Which would make the carrier "pop up" during speech pauses.)

I have often thought, though, that the Weaver method would be well-suited to implementation in a DSP, since you can get mathematically perfect carrier suppression.

AL N1AL

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Date: 3 Apr 1994 22:57:05 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!news.ans.net!mailhost.interaccess.com!interaccess.com!hopken@network.ucsd.edu  
Subject: Hustler RM-40S Resonator  
To: info-hams@ucsd.edu

Hello. I just bought a Hustler super resonator for 40 meters and was surprised to find that it did not fit my mast. It seemed like the thread was different. When I tried to screw it on the mast, it was very "wobbly" and would not seat properly. After tightening as much as I dared, there was still a gap of about 1/4" with threads showing. I have five other resonators (standard not super) that all work fine with the mast. Anyone have any thoughts on the subject?

--

=====  
Ken Hopkins WA9WCP | Internet - HOPKEN@interaccess.com  
Disaster Team - | AMPRnet - 44.72.1.162  
American Red Cross | AX.25 - WA9WCP@W9ZMR.IL.USA

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Date: Mon, 4 Apr 1994 06:19:33 GMT  
From: ihnp4.ucsd.edu!munnari.oz.au!yoyo.aarnet.edu.au!yarrina.connect.com.au!  
news.uwa.edu.au!harbinger.cc.monash.edu.au!newshost.anu.edu.au!sserve!usage!metro!  
ipso!rwc@network.ucsd.edu  
Subject: IPS Daily Report - 03 April 94  
To: info-hams@ucsd.edu

SUBJ: IPS DAILY SOLAR AND GEOPHYSICAL REPORT  
ISSUED AT 3/2330Z APRIL 1994 BY IPS RADIO AND SPACE SERVICES  
FROM THE REGIONAL WARNING CENTRE (RWC), SYDNEY.  
SUMMARY FOR 2 AND 3 APRIL AND FORECAST UP TO 6 APRIL

No IPS Daily Report could be issued yesterday due to  
reasons beyond our control.

IPS Warning 10 was issued on 31 March and is current  
for interval April 3 - 14 (coronal hole).

-----  
1A. SOLAR SUMMARY

April 2 and 3 Activity: very low

April 2 and 3 Flares: none.

April 2:

Observed 10.7 cm flux/Equivalent Sunspot Number : 079/019

April 3:

Observed 10.7 cm flux/Equivalent Sunspot Number : 077/016

1B. SOLAR FORECAST

	04 April	05 April	06 April
Activity	Very low	Very low	Very low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 075/013

1C. SOLAR COMMENT

None.

## 2A. MAGNETIC SUMMARY

April 2: Geomagnetic field at Learmonth: unsettled to minor storm

Learmonth K-indices: 3244 5555

April 3: Geomagnetic field at Learmonth: active to minor storm

Estimated Indices : A K Observed A Index 2 April

Learmonth 42 5455 4555

Fredericksburg 49 44

Planetary 68 34

Observed Kp for 1 April: 1222 2222

Observed Kp for 2 April: 3245 4555

## 2B. MAGNETIC FORECAST

DATE Ap CONDITIONS

04 Apr 45 Active to minor storm.

05 Apr 45 Active to minor storm.

06 Apr 40 Active.

## 2C. MAGNETIC COMMENT

Magnetic activity increased to active to minor storm levels after 06UT on April 2. This activity is due to a coronal hole. Further activity is expected until April 13.

## 3A. GLOBAL HF PROPAGATION SUMMARY

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
03 Apr	normal	normal	poor-fair

PCA Event : None.

## 3B. GLOBAL HF PROPAGATION FORECAST

LATITUDE BAND

DATE	LOW	MIDDLE	HIGH
04 Apr	poor	poor	poor
05 Apr	poor	poor	poor
06 Apr	poor	poor	poor

## 3C. GLOBAL HF PROPAGATION COMMENT

Conditions are expected to be poor due to geomagnetic activity.

## 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

April 2:

MUFs at Sydney were near normal until local dawn then depressed 30%

Observed T index for 02 April: 35

April 3:

MUFs at Sydney were depressed 15-30% during daylight hours, enhanced 15% during local night with spread F observed.



Observed T index for 03 April: 31

Predicted Monthly T Index for April is 40.

#### 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
04 Apr	40	Near predicted monthly values.
05 Apr	40	Near predicted monthly values.
06 Apr	40	Near predicted monthly values.

#### 4C. AUSTRALIAN REGION COMMENT

Degraded HF comms have been experienced on the 3rd of April. Further degradations in HF comms quality are expected during local night and early morning tomorrow. Deep depressions seem unlikely at this stage.

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IPS Regional Warning Centre, Sydney	IPS Radio and Space Services
email: rwc@ips.oz.au fax: +61 2 4148331	PO Box 5606
RWC Duty Forecaster tel: +61 2 4148329	West Chatswood NSW 2057
Recorded Message tel: +61 2 4148330	AUSTRALIA

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Date: 4 Apr 94 21:07:09 GMT  
From: dog.ee.lbl.gov!ihnp4.ucsd.edu!pacbell.com!unet!loren!  
larson@ucbvax.berkeley.edu  
Subject: Operation of Ham radios on planes  
To: info-hams@ucsd.edu

In article <1994Apr3.135412.17055@bongo.tele.com> julian@bongo.tele.com (Julian Macassey) writes:

-> This is the earliest "Walkie-talkies on planes" posting I have  
->ever seen. Usually they start with the summer holiday season.

It is kind of early.

-> I of course have operated my walkie-talkie from commercial  
->aircraft. I have done this since 1974. I have even operated my 2M  
->walkie-talkie from the flight deck. I am still here, isn't that  
->amazing.  
->  
-> I even have a friend who was a ham (SM7???) and a commercial  
->pilot (SAS/Sterling) who even used his HF QRP rig to send Morris from  
->the flight deck on transatlantic flights.

Did he make Morris sit in back?

-> But despite my anecdotal evidence. I will be drowned out by  
->people telling imagined horror stories of avionics malfunctioning  
->because someone generated an unwanted Watt of RF. The anecdotes of  
->real malfunctions will be pretty thin on the ground though.

True. None of the above modifies the fact that it is still illegal  
on U.S. commercial aircraft (or other commercial aircraft operating  
in U.S. airspace).

Alan

-----  
Date: 4 Apr 1994 20:26:37 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!  
news.umbc.edu!cs.umd.edu!newsfeed.gsfc.nasa.gov!bolt.gsfc.nasa.gov!  
user@network.ucsd.edu  
Subject: QSL info for HS0ZAD  
To: info-hams@ucsd.edu

In article <CnHnzC.p5@news.ci.ua.pt>, etjfonte@ci.ua.pt (Jose Miguel Fonte)  
wrote:

> Paul K.C. Wang (pwang@tornado.seas.ucla.edu) wrote:

>

> QSL to HS0ZAR I think it is via K3SO ??

>

Try Jade for info, here is his address, HS1ZEB=jade@nwg.nectec.or.th  
Likely K3ZO! Fred

-----  
Date: 4 Apr 1994 23:38:42 GMT  
From: yale.edu!noc.near.net!news.delphi.com!gilbaronw0mn@yale.arpa  
Subject: STOP SENDING HAMS ON USENET CRAP !!!  
To: info-hams@ucsd.edu

>It happens again and again. Every couple of weeks six tremendous large  
>files with AMATEURS ON USENET. This times each part from the six even  
>three times. I think al the FCC's and PTT's like it, because it keeps  
>my modem so busy....

>

>ok, ok, I know it is a lot of work to keep this list updated and, ok it

>is usefull to know who you can reach by usenet. But why not this  
alternative:

>

>AMATEURS ON USENET: Those interested can download the latest updated  
>version by ftp from server....

>

>This saves a lot of unnecessary downloadtimes, my phonebill and I must  
>say some irritation.

>What do Y'all think of my idea??

>

>

>

>Dick Hissink PA3DSP

>Email:dihi@bsdihl.atr.bso.nl

>

I totally agree. Even more aggravation is listing these huge directories of  
ham radio files. Both of those psot toally violate netiquette. These belong  
in a data base at some location with a pointer. This newsgroup is the only  
one I have seen that has this type of post happening consistently. The  
format of the hams on usenet is not even very good. The directory listing  
is not too useful because it has very little descriptive information. I set  
a private message to the directory lister but never got a reply.

Gil Baron, El Baron Rojo, WOMN Rochester,MN

"Bailar es Vivir"

PGP2.3 key at key servers or upon request

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Date: 5 Apr 94 01:32:05 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: STS-59 SAREX Mission Delay  
To: info-hams@ucsd.edu

SB SAREX @ AMSAT \$STS-59.001  
STS-59 Mission Delay

The STS-59 SAREX mission has been delayed 24 hrs due to some extra inspections  
that need to be performed at the launch site. Tentative launch will be on  
April 8 at 12:07 UTC.

A new set of Keplerian Elements will be provided in the near future.

Submitted by Frank H. Bauer, KA3HDO for the SAREX Working Group

/EX

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Date: 4 Apr 1994 23:38:27 GMT  
From: yale.edu!noc.near.net!news.delphi.com!gilbaronw0mn@yale.arpa  
Subject: Supermorse under windows.?  
To: info-hams@ucsd.edu

>Gilbert Baron <gilbaronw0mn@delphi.com> writes:

>

>>Does anyone know where to get supermorse?

>>

>>                    Gil Baron, El Baron Rojo, WOMN Rochester,MN

>>                    "Bailar es Vivir"

>>                    PGP2.3 key at key servers or upon request

>>

>

>If you have a modem dial up the ARRL BBS at 203-666-0578 (300-14400, N81),  
and

>download SM410.EXE or SM410.ZIP (I'm not sure which name it was). If you  
have

>anonymous FTP access through the Internet, I believe the same filename  
exists

>at oak.oakland.edu, somewhere in the /pub/hamradio directory. Good luck.  
73's

>

>Ned

>

I will be trying the ftp route. Thanks a lot. I could do the modem route  
but it would be a long distance call.

Gil Baron, El Baron Rojo, WOMN Rochester,MN  
"Bailar es Vivir"  
PGP2.3 key at key servers or upon request

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Date: Mon, 4 Apr 1994 19:42:48 GMT  
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!  
netcom.com!netcom2!faunt@network.ucsd.edu  
Subject: was: 73, now 73 and 88 on broadcast radio  
To: info-hams@ucsd.edu

As a diversion from the thread here, I was amused to hear an announcer  
on a non-commercial station, in the LA area, end his show with "73 and  
88". I believe it was a jazz show, and I was at the Burbank airport  
at the time.

73, doug

-----  
Date: 4 Apr 94 21:22:50 GMT  
From: ihnp4.ucsd.edu!agate!darkstar.UCSC.EDU!nic.scruz.net!cruzio!comix!  
jeffl@network.ucsd.edu  
Subject: Weather obs by packet  
To: info-hams@ucsd.edu

In article <2no94q\$bsf@usenet.INS.CWRU.Edu> cq068@cleveland.Freenet.Edu (Steven M Lapinskas) writes:

>  
>Are there any operators/groups that have interfaced weather  
>intruments to provide wind, temp, etc. info?

Yep. APRS (Amateur Position Reporting System) by Bob Bruninga (WB4APR) software has it as an option along with GPS, Loran C, and direction finding info. The weather station used is the Ultimeter II from Peet Bros Company (800)USA-PEET. About \$180. The software is available as APRS403b.ZIP and XTRA403.ZIP on oak.oakland.edu, ucsd.edu, or bbs at (410)280-2503.

APRS software provides a map display of packet stations lat/long position along with whatever information is broadcast (bearing, weather, comments). Weather reports are broadcast as beacons. Inquiry capabilities are built it to get the latest reports. There are enough features to keep one busy for quite a time just discovering how it works and what can be done. It's very impressive. Here in Santa Cruz, we've been playing with APRS for about 2 months and are setting up an automated DF system.

Note that the disribution software is shareware and requires a \$19 registration plus \$9/ea for GPS, LORAN, WX, and DF routines. Discounts for club orders of 10 or more.

--  
# Jeff Liebermann Box 272 1540 Jackson Ave Ben Lomond CA 95005  
# 408.336.2558 voice wb6ssy@ki6eh.#nocal.ca.usa wb6ssy.ampr.org [44.4.18.10]  
# 408.699.0483 digital\_pager 73557,2074 cis [don't]  
# jeffl@comix.santa-cruz.ca.us scruz.ucsc.edu!comix!jeffl

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Date: (null)  
From: (null)  
<Currently all watches and warnings are preceeded by a 1050 Hz tone to activate receivers that have decoders; a 567 IC makes an easy-to-built decoder. Bcsts are in the 162 MHz range. Jeff NH6IL>

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End of Info-Hams Digest V94 #376

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